

Cybersecurity (IS12)

Diploma eMap

This eMap, along with regular meetings with your program advisor and using DegreeWorks, will help you remain on track to finish your program as quickly as possible and graduate from Georgia Northwestern Technical College. This eMap is intended to be used when beginning the program in Fall semester. Starting the program in Spring or Summer semesters may alter the suggested courses or course availability. This pathway is based on the 2026-2027 academic year.



1 st set of suggested courses			
Course		Hours	Completed
CIST 2451	Introduction to Networks – CISCO	4	☐
CIST 1001	Computer Concepts	4	☐
CIST 1122	Hardware Installation and Maintenance	4	☐
CIST 1601	Information Security Fundamentals	3	☐

2 nd set of suggested courses			
Course		Hours	Completed
COMP 1000	Introduction to Computer Literacy	3	☐
CIST xxxx	CIST Networking Elective Course (Recommended course: CIST 2452, Cisco Switching, Routing & Wireless Essentials; Prerequisite: CIST 2451)	4	☐
CIST 1602	Security Policies and Procedures	3	☐
CIST xxxx	CIST Networking Elective Course (Recommended course: CIST 2431, UNIX/ Linux Introduction)	4	☐

CIST 2451 and CIST 2431 are the recommended courses and offered in Spring semester only. Additional courses may be available to meet that requirement. See Course Catalog for more info.

3 rd set of suggested courses			
Course		Hours	Completed
CIST 2602	Network Security (Prerequisites: CIST 2451 and CIST 1601)	4	☐
ENGL 1005	Applied Technical Communication	3	☐
EMPL 1000	Interpersonal Relations and Professional Development	2	☐

4 th set of suggested courses			
Course		Hours	Completed
CIST 2613	Ethical Hacking and Penetration Testing (Prerequisite: CIST 1601)	4	☐
CIST 2612	Computer Forensics (Prerequisites: CIST 1122 and CIST 1601)	4	☐
MATH 1012	Foundations of Mathematics	3	☐

CIST 2613 and CIST 2612 are offered in Fall semester only.

4 th set of suggested courses			
Course		Hours	Completed
CIST 2601	Implementing Operating Systems Security (Prerequisites: CIST2451 and CIST 1601)	4	☐
CIST 2611	Network Defense and Countermeasures (Prerequisites: CIST 2451 and CIST 1601)	4	☐

CIST 2601 and CIST 2611 are offered in Spring semester only.

Total Credit Hours: 57 Minimum Credit Hours Required for Graduation

Cybersecurity Diploma Program Planning Notes:

- Courses for this program are available at the Catoosa County Campus.
- ALL CIST programs require windows-based PC.
- Chromebooks and Mac and Linux based computers are not compatible with programs.
- All CIST courses are valid for a period of 5 years after completion.
- COMP 1000 is valid for a period of 5 years after completion.
- CIST 1510 and CIST 2531 require an Adobe Creative Cloud subscription
- If courses are completed in the order as listed on this eMap, student will earn:
 - 1) CompTIA A+ Certified Technician Preparation (CA71) Certificate, PC Repair and Network Technician (PR21) Certificate, and Cybersecurity Fundamentals (CW71) Certificate at the end of the 2nd set.
 - 2) Computer Forensics and Security Specialist (CF51) Certificate and Cybersecurity (IS81) Certificate at the end of the 5th semester.
- The Program Advisor for IS12 is Rocky Spurlock, rspurlock@gntc.edu.

Additional information for the Cybersecurity Diploma and program requirements can be found at [GNTC 2026-202 Catalog](#).